ABSTRACT OF THE DISCLOSURE

A radio communication device, a radio communication system comprising a bases station and a plurality of terminal communication devices and a radio communication method that can reduce the risk of interfering with the operation of some other system using a same frequency band and also the risk of degrading its performance due the interference of some other system using a same frequency band. The radio communication system includes a base station and terminals adapted to radio communications using the ISMA method. The base station 10 comprises a packet detection circuit 14 for detecting a packet transmitted from a terminal, an interference wave detection circuit 15 for detecting a meteorological radar wave and an IS generating circuit 17 for generating an idle signal that informs the terminals of the idle state of the communication channel. Upon receiving the idles signal, any of the terminals transmits a packet to be transmitted to the outside. If the base station detects any interference wave found on the communication channel, it suspends the transmission of the idle signal until.